

SL



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/389,842	09/02/1999	EARL LEVINE	P-2100	5948
22801	7590	08/25/2004	EXAMINER	
LEE & HAYES PLLC 421 W RIVERSIDE AVENUE SUITE 500 SPOKANE, WA 99201			ZIA, SYED	
			ART UNIT	PAPER NUMBER
			2131	

DATE MAILED: 08/25/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

SL

<b>Advisory Action</b>	<b>Application No.</b> 09/389,842	<b>Applicant(s)</b> LEVINE ET AL.	
	<b>Examiner</b> Syed Zia	<b>Art Unit</b> 2131	

--The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

THE REPLY FILED 06 July 2004 FAILS TO PLACE THIS APPLICATION IN CONDITION FOR ALLOWANCE. Therefore, further action by the applicant is required to avoid abandonment of this application. A proper reply to a final rejection under 37 CFR 1.113 may only be either: (1) a timely filed amendment which places the application in condition for allowance; (2) a timely filed Notice of Appeal (with appeal fee); or (3) a timely filed Request for Continued Examination (RCE) in compliance with 37 CFR 1.114.

PERIOD FOR REPLY [check either a) or b)]

- a) ☒ The period for reply expires 3 months from the mailing date of the final rejection.
- b) ☐ The period for reply expires on: (1) the mailing date of this Advisory Action, or (2) the date set forth in the final rejection, whichever is later. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of the final rejection. ONLY CHECK THIS BOX WHEN THE FIRST REPLY WAS FILED WITHIN TWO MONTHS OF THE FINAL REJECTION. See MPEP 706.07(f).

Extensions of time may be obtained under 37 CFR 1.136(a). The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. The appropriate extension fee under 37 CFR 1.17(a) is calculated from: (1) the expiration date of the shortened statutory period for reply originally set in the final Office action; or (2) as set forth in (b) above, if checked. Any reply received by the Office later than three months after the mailing date of the final rejection, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

1. ☐ A Notice of Appeal was filed on \_\_\_\_\_. Appellant's Brief must be filed within the period set forth in 37 CFR 1.192(a), or any extension thereof (37 CFR 1.191(d)), to avoid dismissal of the appeal.
2. ☐ The proposed amendment(s) will not be entered because:
- (a) ☐ they raise new issues that would require further consideration and/or search (see NOTE below);
  - (b) ☐ they raise the issue of new matter (see Note below);
  - (c) ☐ they are not deemed to place the application in better form for appeal by materially reducing or simplifying the issues for appeal; and/or
  - (d) ☐ they present additional claims without canceling a corresponding number of finally rejected claims.

NOTE: \_\_\_\_\_

3. ☐ Applicant's reply has overcome the following rejection(s): \_\_\_\_\_.
4. ☐ Newly proposed or amended claim(s) \_\_\_\_\_ would be allowable if submitted in a separate, timely filed amendment canceling the non-allowable claim(s).
5. ☒ The a) ☐ affidavit, b) ☐ exhibit, or c) ☒ request for reconsideration has been considered but does NOT place the application in condition for allowance because: See Attachment.
6. ☐ The affidavit or exhibit will NOT be considered because it is not directed SOLELY to issues which were newly raised by the Examiner in the final rejection.
7. ☐ For purposes of Appeal, the proposed amendment(s) a) ☐ will not be entered or b) ☐ will be entered and an explanation of how the new or amended claims would be rejected is provided below or appended.

The status of the claim(s) is (or will be) as follows:

Claim(s) allowed: -None-.

Claim(s) objected to: -None-.

Claim(s) rejected: 1-46.

Claim(s) withdrawn from consideration: -None-.

8. ☐ The drawing correction filed on \_\_\_\_\_ is a) ☐ approved or b) ☐ disapproved by the Examiner.
9. ☐ Note the attached Information Disclosure Statement(s) (PTO-1449) Paper No(s). \_\_\_\_\_.
10. ☐ Other: \_\_\_\_\_

***Attachment to Advisory Action***

This office action is in response to remarks filed after- final on July 06, 2004. Original application contained Claims 1-43. Applicant previously added Claims 44-46, and amended Claims 3, 6, 16, 25, and 20. Therefore, presently claims 1-46 are pending for further consideration.

***Response to Arguments***

Applicant's arguments filed on July 06, 2004 have been fully considered but they are not persuasive because of the following reasons:

Regarding claim 1, 7, 12, 14, 20, 25, 27, 33, 38, and 40 applicants argued that the cited prior art (CPA) [Maskowitz et al. U. S. Patent 6,522,767] does not teach “*tracking a requested signal... receiving a request for such a signal, generating transaction identification data which identifies the received request, or a watermarked signal using a predetermined basis signal wherein the transaction identification data can be derived from the pattern*” as indicated in the claims.

This is not found persuasive. CPA teaches and describes a system and method that where the implementations of digital watermarks can be optimally suited to particular transmission, distribution and storage mediums given the nature of digitally-sampled audio, video and other multimedia works. Watermark application parameters can be adapted to the individual characteristics of a given digital sample stream. Watermark information can be either carried in individual samples or in relationships between

Art Unit: 2131

multiple samples, such as in a waveform shape. More optimal models may be obtained to design watermark systems that are tamper-resistant given the number and breadth of existent digitized sample options with different frequency and time components. The highest quality of a given content signal may be maintained as it is mastered, with the watermark suitably hidden, taking into account usage of digital filters and error correction. The quality of the underlying content signals can be used to identify and highlight advantageous locations for the insertion of digital watermarks. The watermark is integrated as closely as possible to the content signal, at a maximum level to force degradation of the content signal when attempts are made to remove the watermarks.

All of these features can be incorporated into specialized digital signal processing microprocessors to apply watermarks to non-generalized computing devices, such as set-top boxes, video recorders that require time stamping or authentication, digital video disc (DVD) machines and a multitude of other mechanisms that play or record copyrighted content.

Thus, CPA allows implementation of digital watermarks, which are optimally suited to particular transmission, distribution, or storage mediums given nature of digitally sampled audio, video and other multimedia works. Watermark application parameters are adapted to individual characteristics of given sample stream.

As a result, CPA does implement a system in which identifying data can be securely and robustly included in a digitized signal such as audio and video signals such that the identifying data are not perceptible to a human viewer in a particular efficient manner.

Art Unit: 2131

Applicants clearly have failed to explicitly identify specific claim limitations, which would define a patentable distinction over prior arts. Therefore, the examiner asserts that CPA does teach or suggest the subject matter broadly recited in independent claims 1, 7, 12, 14, 20, 25, 27, 33, 28, 40, and 44. Dependent claims are also rejected at least by virtue of their dependency on independent claims and by other reason set forth in the previous office action. Accordingly, rejections for claims 1-46 are respectfully maintained.


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Syed Zia whose telephone number is 703-305-3881. The examiner can normally be reached on Monday - Friday 9:00 AM to 5:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 703-305-9648. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

SZ

August 16, 2004



AYAZ SHEIKH  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100



Creation date: 08-26-2004  
Indexing Officer: AIBRAHIM1 - AMIRA IBRAHIM  
Team: 2100PrintWorkingFolder  
Dossier: 09369490

Legal Date: 08-25-2004

No.	Doccode	Number of pages
1	CTAV	6

Total number of pages: 6

Remarks:

Order of re-scan issued on .....